

WHAT IS CLAIMED IS:

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1 1. An air bag system comprising:
2 an air bag for placement in a folded state under
3 an upper surface of an instrument panel of a vehicle,
4 and for being inflated by an inflator when the vehicle
5 is crashed,

6 wherein the air bag has a pocket disposed at a lower
7 surface of the air bag when the air bag is inflated.

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1 2. The air bag system according to claim 1, wherein
2 the pocket is located in a position corresponding to a
3 top portion of a child safety seat when the air bag is
4 inflated.

1 3. The air bag system according to claim 1, wherein
2 the pocket is located in a position corresponding to a
3 top portion of a child safety seat mounted on an occupant
4 seat while facing rearward of the vehicle when the air
5 bag is inflated.

1 4. The air bag system according to claim 1, wherein
2 the air bag further comprises an exhaust hole located
3 in the vicinity of the pocket for exhausting a gas.
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1 5. Theairbagsystemaccordingtoclaim1, wherein
2 the pocket is housed inside of the air bag when the air
3 bag is in said folded state.

1 6. Theairbagsystemaccordingtoclaim1, wherein
2 the pocket is recessed from the lower surface of the air
3 bag, and wherein the pocket comprises:

4 a pocket bag portion having a predetermined depth
5 when the air bag is inflated;

6 a pocket opening portion for receiving a top of
7 a child safety seat, said pocket opening portion having
8 a predetermined opening area; and

9 a strap connecting an inside of an upper surface
10 of the air bag with a bottom of the pocket bag portion.

1 7. Theairbagsystemaccordingtoclaim6, wherein
2 the depth of the pocket bag portion is between 5cm and
3 30cm.

1 8. Theairbagsystemaccordingtoclaim6, wherein
2 the opening area of the pocket opening portion is in the
3 range from 450 to 900cm².

1 9. Theairbagsystemaccordingtoclaim6, wherein
2 the strap is sewed to the bottom of the pocket bag portion

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1 at one end thereof and to the inside of the upper surface
2 of the air bag at other end thereof.

1 10. Theairbagsystemaccordingtoclaim6, wherein
2 the pocket opening portion is formed in a slit shape.

1 11. Theairbagsystemaccordingtoclaim6, wherein
2 the pocket opening portion is formed in a circular shape.

1 12. Theairbagsystemaccordingtoclaim6, wherein
2 the pocket opening portion is formed in a rectangular
3 shape.

1 13. Theairbagsystemaccordingtoclaim6, wherein
2 the pocket opening portion is formed in an oval shape.

1 14. Theairbagsystemaccordingtoclaim1, wherein
2 the pocket is formed in a conical shape.

1 15. Theairbagsystemaccordingtoclaim1, wherein
2 the pocket is formed in a semi-oval shape.

1 16. Theairbagsystemaccordingtoclaim1, wherein
2 thepocketisformedinacylindricalshapewithacircular
3 bottom opposing a pocket opening portion.

1 17. The air bag system according to claim 1, wherein
2 the pocket is convexed from the lower surface of the air
3 bag.

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